

2000-2005 Dodge Neon | Easy | 30-60 minutes

TOOLS

3/8-inch ratchet, extension, and spark plug socket
Wire-type spark plug gap gauge
Compressed air or a blow gun
Dielectric grease
Torque wrench (optional, for peace of mind)
Safety glasses
Phone camera for wire-routing reference

PARTS

4x spark plugs (2.0L SOHC Neon application)
Spark plug wire set (2.0L SOHC)
Dielectric grease packet

STEPS

- 1 Cool the engine and expose the plug wires - Make sure the 2000-2005 Neon's 2.0L SOHC engine is stone cold, then disconnect the negative battery terminal and set the cable aside. Remove the plastic engine cover if your Neon still has one, exposing the four spark plug wires running fr...**
- 2 Remove one plug wire at a time - Starting with cylinder one, grasp the spark plug boot firmly and twist it back and forth while pulling straight up to break it free from the plug. Never pull on the wire itself, because the terminal can separate inside the boot and leave y...**
- 3 Blow out the well and remove the old plug - Before removing the plug, blow any grit and debris out of the spark plug well with compressed air so nothing falls into the cylinder. Fit a spark plug socket with a rubber insert onto a ratchet with an extension, loosen the plug, and lift...**
- 4 Gap and inspect the new spark plugs - Check the gap on each new plug with a wire-type feeler gauge against the specification printed on the underhood emissions label, and adjust gently by bending only the ground strap if needed. A plug dropped on the floor should be inspected...**
- 5 Install the new plugs by hand first - Thread each new plug into its hole by hand using just the socket and extension, turning carefully until the plug seats - this finger-start method prevents cross-threading the soft aluminum head. Once seated, tighten with the ratchet abou...**
- 6 Install the new wire set - Apply a dab of dielectric grease inside each new wire boot to ease future removal and seal out moisture. Push each boot firmly onto its plug until you feel or hear it click over the plug terminal, then route the wires through their origina...**
- 7 Finish the remaining cylinders - Repeat the one-at-a-time process for the remaining three cylinders, keeping each wire matched to its original cylinder. Double-check that all four boots are clicked onto the plugs and the coil pack, and that no tools or rags remain on the...**
- 8 Start up and verify the repair - Start the engine and listen for a smooth, even idle with no stumble or flashing check-engine light. Take the Neon for a test drive including light acceleration and highway cruising to confirm the misfire is gone. If a check-engine light ap...**